

**Massachusetts Bay
Transportation Authority**

Safety Update: MBTA Transit Safety Plan

Fiscal and Management Control Board

June 21, 2021

Ronald Ester, Chief Safety Officer

Plan Preparation and Approval Requirements

- § 49 CFR 673 supersedes 49 CFR 659 System Safety Program
- § 49 CFR 673.11(a) requires the MBTA to prepare a Public Transportation Agency Safety Plan, “Transit Safety Plan” and implementation of a Safety Management System
- The initial MBTA Transit Safety Plan was approved by the board on June 22, 2020 and certified by the Department Public of Public Utilities (DPU) on July 16, 2020
- DPU Program Standard 220 CMR 151.03(4) requires an annual review of the Safety Plan on or before August 1st of each year.
- § 673.13(a) requires MBTA’s Transit Safety Plan, and subsequent updates, to be **signed by the Accountable Executive and approved by the MBTA’s Board of Directors**, or an Equivalent Authority.



Key Transit Safety Plan Requirements



Plan must document processes and activities related to SMS - § 49 CFR 673.11(a)(2)

- Safety Management Policy (673.23) – MBTA Safety Management Policy Statement
- Safety Risk Management (673.25)
- Safety Assurance (673.27)
- Safety Promotion (673.29)

Plan must include performance targets based on performance measures (metrics) (673.11(a)(3))



MBTA SMS Implementation Plan

- Multi-phased approach to develop and implement SMS:
 - **Phase 1:** Planning, organization, policy development, gap analysis (**Complete**)
 - Enhance Safety Policy, reviewed by SMRC/GM
 - Internal review of safety program and gap analysis
 - Initial messaging about SMS throughout organization
 - **Completed with the DPU approval of the MBTA Transit Safety Plan in July 2020**
 - **Phase 2:** Safety Risk Management (**Current Phase**)
 - Launch Training on SMS Awareness and SRM for the MBTA
 - Identify, strengthen and refine existing SRM tools for hazard tracking and risk assessment
 - Identify and develop parameters to improve local safety committee meetings
 - Improve and promote MBTA's voluntary, confidential, non-punitive employee safety reporting program
 - **Phase 3:** Safety Assurance
 - Review and update objectives and performance targets based on SRM and requirements
 - Enhance existing safety oversight procedures (internal inspections, audits, investigations)
 - Continue to train and promote SMS at all levels of the MBTA
 - **Safety Promotion is embedded in all phases of SMS**



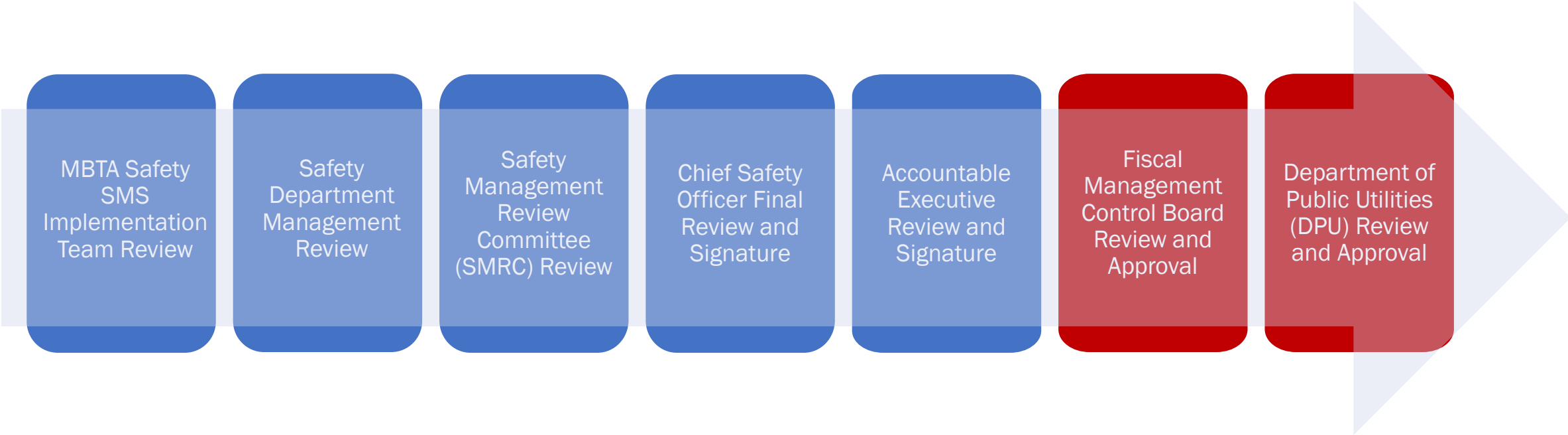
2021 Key Plan Updates

- PRF2 – Modified Safety Hotline references
- PRF3 - Updated the Safety Policy Statement
- PRF4 – Updated SMS implementation plan activities
- Section 3 – Updated Safety Performance Targets through CY2022
- Section 5 – Added references to newly developed SRM and RMM SOPs
- Section 5 – Updated language to clarify how to calculate risk probability
- Section 8 - Added references to the newly developed SMS training courses

A complete list of updates is available in the 2021 Safety Plan Record of Revision



Annual Review Process



	Complete
	Pending



Requested Vote

VOTE:

To approve the Massachusetts Bay Transportation Authority Transit Safety Plan, Revision 1, dated June 3, 2021, and as presented to the Fiscal Management and Control Board on June 21, 2021.

